

Conference Call-Northrop Grumman/NWIRP Bethpage
Operable Unit 2 (OU2) VPB 126-128 Meeting Agenda
September 16, 2013 Meeting Notes

Participants

Jim Harrington	NYSDEC
John Swartwout	NYSDEC
Steven Scharf	NYSDEC
Steven Karpinski	NYSDOH
Joseph DeFranco	Nassau County Dept of Health.
Douglas Garbarini	USEPA
Pietro Mannino	USEPA
Carol Stein	USEPA
Rob Alvey	USEPA
Nicki DiForte	USEPA
Lora Fly	NAVFAC Midlant
Kim Brown	NAVFAC Midlant
Nina Johnson	NAVFAC Midlant
Arun Gavaskar	NAVFAC Midlant
Wanda Holmes	NAVFAC Midlant
Edward Hannon	Northrop Grumman
David Stern	ARCADIS

Introduction- Meeting opened by Jim Harrington. "Western lobe of the plume was covered in the fact sheet released for the OU3 ROD execution. Need to continue OU2 Supplemental Investigation with possible remediation and outpost well installation. Meeting will also serve as an update on additional OU2 activities. Navy/Grumman were issued a letter to do the supplemental work and Navy responded in writing with call for this meeting that was turned into a conference call.

Agenda Items I & II. Deep Western Plume

NAVFAC-Midlant:

- Construction ongoing for wellhead treatment for the American-AQUA-NY Seamans Neck Road Wellfield.
- South Farmingdale Plant 3 remedial system has been built and paid for.
- Working with MWD on placement of Outpost Wells.
- BWD has also been fully funded for the Plant 6 Remediation.
- Will be submitting a plan for additional VPB 126-128 work in the November-December timeframe along with the required outpost wells.
- TT102D and TT102D2: Wells were routinely sampled as part of the comprehensive sampling and found 0.5 ug/l in May 2013. These wells will be re-sampled this month by NAVFAC field team.

NYSDEC

- These items look good and cover what we are looking for.

Agenda Item III. Status of Proposed and Ongoing Work:

NAVFAC-Midlant:

Comprehensive Groundwater Sampling Data:

- Working on the OU2 ROD and the Alternative 2A Optimization Strategy that was approved by NYSDEC.
- Looking for the approval of the dual purpose for the use of the Muni wells to pump 24/7/365.
- TT102D2 has an initial detection of 0.5 ppb TCE. Discussed the number of times this was re-sampled and the redevelopment of the TT102D2 well. Navy has agreed to resample this well the end of this month.
- Did the pump test work for the capture zone analysis with the USGS for GM 38 area.

- NAVFAC will be submitting a GM 38 Area remedy exit strategy with discussion for additional purposes.
- NAVFAC consultant is compiling report which will be released by the end of the year.
- NAVFAC believes the majority of the hotspot of the GM 38 Area has been captured.

Northrop Grumman (NGC):

- WRT OU2 sampling NGC is putting a table together with the data from the comprehensive GW sampling, routine OU2 sampling and the additional wells sampled for a number of parameters. This includes the OXY wells sampled upgradient of NGC/NWIRP. These sampling results will be discussed at the Navy/Grumman Quarterly meeting 9-25-2013 and then made available to the interested agencies. No red flags on the VOC data and the overall trends are "down."

ONCT Evaluation:

- NGC will be looking at the data to see if further work is required with more to come on OU2.
- NGC will be submitting a data gap analysis work plan for the OU3 portion.

NAVFAC:

- NAVFAC doing modeling, ongoing VPBs for W & NW, especially around BWD Plant 6.
- Done with all field work on GM 38 Pump test in conjunction with BWD Plants 4, 5 and 6.
- Based on VPB findings and pump test, will move further S and SW.
- Report on GM 38 Areas due by 12-31. Will be looking for GM 38 area exit strategy & potential future use.
- Navy wants to protect the districts along with the 1 ppm action level for additional groundwater remediation.
- Navy will add MWD most northwestern Plant for Outpost Well construction.

NYSDEC:

- These outpost wells and other strategies are from the previous DEC table on future work.
- NYSDEC wants a letter from the Navy committing to the work of VPB 126-128 etc. Navy states DOD has already responded in 08-01-2013 NYSDEC letter. NYSDEC will review this and get back to Navy.

NAVFAC:

- Discussion on what to call the "Post GM 75 VPB work. Will call this "Upgradient Plume Delineation Work."
- Levittown Wells. The Navy is looking to see whether the Freon 113 in LWD is from Navy/Grumman. There are no other constituents. Asked Levittown and NCDH for what additional data they have in the area.
- NAVFAC is working on a comprehensive groundwater model.
- NCDH- South Farmingdale Plant 3 Treatment for iron and VOCs has been released for use and should be on-line.

Agenda Item IV. Other Items:

- Next RAB is November 6 or 13th. NYSDEC looking to set TAC meeting also.
- Discussion on TAC and when is best date to hold next meeting.
- DEC will review NAVFAC VPB 126-128 response letter and determine appropriate response.

Radium discussion:

- NGC has their data and that from BWD and concluded this is background and no further work is required.
- Discussion on the additional 6 wells requested to be sampled for Radium by BWD. BWD has not responded.
- DEC will be working with DOH to form reply to Bethpage Cancer Project.
- NCDH Worked with BWD and H2M on Radium and haven't heard back on additional 6 wells. NYSDOH referred data and issue to their Public Water supply Protection Bureau and RAD people and haven't heard yet.

Conference Call

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Date: September 16, 2013

Introduction: Meeting Overview & implementing requested Inv. work with the deep western plume.

Attendees: NYSDEC, USEPA, NAVFAC Midlant and Northrop Grumman Representatives

1. Deep Western Plume: Part A

- VPB 126-128 Area
- Summary of work done to date.
- Work Plan associated with the deep western plume investigation.
- Schedule of events.

2. Deep Western Plume: Part B

- Outpost Wells
- TT102D and TT102D2 GW VOC Sampling

3. Status of Proposed and Ongoing Work - Navy / Grumman

- Comprehensive Groundwater Sampling Data - NG
 - Sampling Results
 - Outstanding Data
- ONCT Evaluation - NG
 - Results of Phase 2 Evaluation
 - Status of revised periodic review report
- GM-38 Capture Zone Analysis - Navy
 - Status of findings
 - Outstanding Data
- Plume Delineation and Migration Assessment - Navy
 - Status of findings
 - USGS Model
- Other Tasks – NG/Navy

4. Other Items

- Overall Project Schedule
- Additional Items